

UNITED STATES PATENT AND TRADEMARK OFFICE

Receipt

Applicants: Thierry Valet
 Application No: 10/040,254
 Filed: January 4, 2002
 Attorney Docket: 60559-301701
 Examiner: Not Yet Assigned
 Group Art Unit: 2173

Title: **METHOD AND APPARATUS EMPLOYING ANGLED SINGLE ACCELEROMETER SENSING MULTI-DIRECTIONAL MOTION**

Office of Initial Patent Examination Division
 Customer Service Center
 Commissioner For Patents
 Washington, D.C. 20231

**COPY OF PAPERS
 ORIGINALLY FILED**

TRANSMITTAL REQUEST FOR CORRECTION OF FILING RECEIPT

Enclosed herewith for filing in the above-identified application are the following:

- ☒ Request for Correction of Filing Receipt;
- ☒ A red-lined copy of Official Filing Receipt;
- ☒ A copy of the first page of the Utility Transmittal;
- ☒ A copy of the first page of the Patent Application; and
- ☒ Return Postcard for date-stamped return as confirmation of receipt of these items.

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Technology Center 2100

The correction is not due to any error by applicant and no fee is due. However, in the event that a fee is due, the Commissioner is hereby authorized to charge any such fees to Deposit Account 02-3964.

Respectfully submitted,

Dated: April 17, 2002


 Brian R. Coleman
 Reg. No. 39,145

OPPENHEIMER WOLFF & DONNELLY LLP
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CERTIFICATE OF MAILING (37CFR 1.8 (a))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on April 17, 2002 with the U.S. Postal Service as first class mail in an envelope addressed to: Office of Initial Patent Examination Division, Customer Service Center, Commissioner of Patents, Washington, D.C. 20231.

Date: April 17, 2002


 Sheena Hicks

UNITED STATES PATENT AND TRADEMARK OFFICE

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REQUEST FOR CORRECTION OF FILING RECEIPT

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Sir:

Enclosed is a red-lined copy of the Filing Receipt showing the change, for the above-identified patent application, copy of the Utility Patent Application Transmittal dated January 4, 2002, copy of page one of the Specification, and evidencing the desired correction. Please reprint the Filing Receipt as follows and mail the corrected copy to the undersigned.

This application is incorrectly entered as :

"Therry Valet "

Please correct this application to read:

"Thierry Valet"

Please reprint the Filing Receipt as follows and mail the corrected copy to the undersigned.

CERTIFICATE OF MAILING (37CFR 1.8 (a))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on April 17, 2002 with the U.S. Postal Service as first class mail in an envelope addressed to: Office of Initial Patent Examination Division, Customer Service Center, Commissioner of Patents, Washington, D.C. 20231.

Date: April 17, 2002

Sheena Hicks

Application No: 10/040,254
Filed: January 4, 2002




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Dated: April 17, 2002



Brian R. Coleman
Reg. No. 39,145

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/040,254	01/04/2002	2173	0.00	60559-301701	7	20	4

CONFIRMATION NO. 9462

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Date Mailed: 02/08/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Therry Valet, Sunnyvale, CA;
THERRY VALET

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/259,666 01/04/2001

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Foreign Applications

If Required, Foreign Filing License Granted 02/08/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Method and apparatus employing angled single accelerometer sensing multi-directional motion

Preliminary Class

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Box: New Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Attorney's Docket No.: 60559-301701

FILING TRANSMITTAL

Transmitted herewith for filing is the Patent Application of : Thierry Valet

**COPY OF PAPERS
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For: **"METHOD AND APPARATUS EMPLOYING ANGLED SINGLE
ACCELEROMETER SENSING MULTI-DIRECTIONAL MOTION"**

ENCLOSURES

- ☒ 12 page application including specification, claims and abstract;
- ☒ 7 sheets (Figs. 1 - 8) of ☒ informal/☐ formal drawings;
- ☒ A Declaration, Power of Attorney & Petition (☐ signed/☒ unsigned);
- ☒ A return postcard as proof of receipt of the referenced documents.

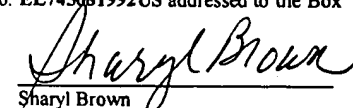
and

- ☐ An Assignment of the invention with an assignment cover sheet;
- ☐ Applicant claims small entity status (Under 37 CFR 1.27);
- ☐ IDS, Form PTO-1449 and copies of cited references;
- ☐ An Associate Power of Attorney;
- ☐ A certified copy of the priority document (Under 35 USC 119);
- ☐ A Power of Attorney by Assignee;

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TYPE OF FILING

- ☐ This application claims the benefit of an earlier filed U.S. Patent Application (35 USC 120).
- ☒ This application claims the benefit of the priority date of an earlier filed U.S. Provisional Patent Application Serial No. 60/259,666 filed on January 4, 2001(35 USC 119).
- ☒ This is an application filed pursuant to 37 CFR 1.53, permitting receipt of a filing date upon filing of specification, claims and drawings, if required, with applicant being given a period of one month from the date of notice to file the fee and oath or declaration.
- ☒ In the event any parts of this application are missing, please treat this as a filing under 37 CFR 1.53 as defined just above.

CERTIFICATE OF MAILING (37 CFR 1.10(A))
CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 as Express Mail No. EL745081992US addressed to the Box New Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.
Date: January 4, 2002
 Sharyl Brown



METHOD AND APPARATUS EMPLOYING ANGLED SINGLE ACCELEROMETER SENSING MULTI-DIRECTIONAL MOTION

5

Inventor:

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Thierry Valet

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CROSS REFERENCE TO RELATED APPLICATIONS

Reference is made and priority claimed to U.S. Provisional Application
entitled SELECTIVE ACCESS NON-DOD DIGITAL DATA BROADCAST SYSTEM, filed
November 30, 2001.

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BACKGROUND OF THE INVENTION

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The present invention relates to the use and mounting of accelerometers in
user interface devices such as PDA's. Specifically, this invention discloses mounting
an accelerometer chip at an angle with respect to the circuit board to allow for sensing
acceleration in more than one plane of motion. One type of device in which this
invention may be used is in a PDA (Personal Digital Assistant).

In the last few decades, enormous progress has occurred in developing and
perfecting interactions between humans and computer systems. Improvements in user
interfaces along with improvements in data capacity, display flexibility, and
communication capabilities have lead to the use of accelerometers in such interfaces.
For example, U.S. Pat. No. 4,445,376 issued on May 1, 1984, discloses an
arrangement in which three accelerometers supply output signals that can be
processed to provide the specific force components and the angular rate components
relative to each axis of a right hand Cartesian coordinate system that is fixed within a
moving body. In this arrangement, each accelerometer is mounted so that the force
sensitive axis of the accelerometer is parallel to an axis of the coordinate system (e.g.,
the X axis). In addition each accelerometer is mounted (or internally configured) so
that the force sensitive axis rotates at a uniform rate about a fixed axis which is
parallel to and spaced apart from the force sensitive axis. As the object with which
the coordinate system is associated moves in space, the signal that is generated by
each accelerometer includes a component representative of specific force along the